

## Sustainability Fee Project Grant Report

**Date:** July 27, 2018

**Name(s):** Tiffoni Buckle-McCartney

**Unit/Department(s):** Division of Facilities Services

**E-mail address:** tbucklemmcarty@georgiasouthern.edu

**Phone:** 912-478-7225

**Project title:** Retrofit recycling receptacles with 97% recycled materials for fifteen buildings

**Amount granted:** \$36,621.00

**Amount spent:** \$36,621.00

### ***I. Project Outcomes/Value***

Planned Outcome:

The project consisted of retrofitting and adding recycling receptacles in the following buildings: Nessmith-Lane Conference Center, Foy Building, College of Business Administration, Engineering Building, Nursing/Chemistry Building, College of Education, South Campus, Hollis Building, Herty Building, Williams Center, Math/Physics Building, Russell Union, Information Technology Building, Carroll Building and Facilities Services Administration.

Actual Outcomes:

The 41 recycling receptacles identified in the project were retrofitted. The new tops of the recycling receptacles are now labelled "landfill", "mixed paper" and "plastic bottles". A new receptacle was placed flush against the current Max-R with a label of "aluminum cans". Each compartment has a restrictive opening unique to the type of material that is being recycled. The restrictive openings of the recycling receptacle allow users to easily identify waste streams on approach based on the openings. In addition to the restrictive openings, graphics on the top are used to identify exactly what goes into each waste stream to cut down on contamination. Through the Max-Reclaim™ program, the old top of each receptacle was reclaimed by Max-R guaranteeing the material will not end up in a landfill and continue the product lifecycle.

### **Project Timeline**

This project is complete.

Implementation step	Person(s) responsible	Date Completed	Unit Purchased
Tiffoni Buckle-McCartney	1.17.2018	Unit Delivered	Max-R
2.23.2018	Unit Installed and Operational	EHS technician team and Equipment transportation team	Old tops sent to Max-R for reclamation
3.14.2018			Max-R

## Project Outcomes

The goals of this project were to promote the reduction in single landfill receptacles across campus and increase waste diversion. This project enhanced the visibility of campus sustainability efforts.

## Sustainability Improvements

This project aimed to provide a separate bin for recycling plastic bottles from aluminum cans. By providing a separate bin for each. This project can allow for reduction of contamination and increase the quantity of items recycled.

## Outreach

Included in the Facilities Sustainability Showcase in the library in April 2018.

Plans are in place to include in the next Facilities Services Newsletter and Georgia Southern GreenFest

## Budget report

### 1. Previous Budget – Estimate

Item	Supplier	Quantity	Unit	Cost	Shipping & Handling	Total
Aluminum recycling bin						
Replacement tops for recycling receptacles						
		Max-R 41		\$165.00	\$165.00	\$1806.00
Reclaiming recycling station tops						
Shipping of new aluminum receptacles and replacement tops						
		Max-R 41 each	\$768.00	\$31,488.00	\$31,488.00	
					Discount - (\$4940.00)	
					-\$4940.00)	
		Max-R 41 each	\$192.00	\$7872.00	\$7872.00	
						<u>Total \$36,391.00</u>

On further inspection of the recycling receptacles, we noticed that door knobs were missing from the receptacles marked for retrofit. This was an additional \$125.00USD to add the door knobs. The vendor also indicated that the cost to reclaim the old tops for recycling increased in cost by \$105.00USD. The Sustainability Fee Committee approved the \$230 USD increase in the budget for this project on 11.8.2017.

### 2. Final Cost

### **A sample of the recycling receptacles after retrofit**



Hollis Building



Nesmith Lane Conference Center



Foy Building



Russell Union



Russell Union



Engineering Department